

Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 8/30/2018 12:48:17 PM
To: Risen, Amy J [Amy.Risen@ncdenr.gov]
CC: McCord, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=McCord, James]
Subject: RE: PFAS compounds list

Amy,

It's hard for me to go through all of these to confirm they are correct right now. However what you have for PEPA is NOT correct. Here is the correct structure and CAS. It seems another chemical in the dashboard also goes by the name PEPA and has the CAS you show below.

<https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID60896486>

The second one I see is for the chemical you have called TAFN4. We call this PFO5DoDA as I recall. The IUPAC name and CAS are correct. I have no idea about the shorthand name. The line just above it is correct???

<https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID50723994>

I don't think the ones called PFECA-F, PFECA-A or PFECA-G need to be here. They were used as surrogate chemicals before we could get standards. I think they should be removed unless there is a good reason to keep them.

Everything else seems reasonable but I have not checked all of them.

Mark

From: Risen, Amy J [mailto:Amy.Risen@ncdenr.gov]
Sent: Wednesday, August 29, 2018 4:53 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: PFAS compounds list

Hi Mark,

I hope all is well with you.

Could you take a look at the list of PFAS chemicals below and let me know if there are any that we are missing? I'm looking for chemicals that have been detected in association with the Chemours facility in air/soil/water. I realize that our list has some chemicals that are not detected at meaningful levels, but are just part of our list of analytes for our lab. At this point we are looking for any additional analytes that have been detected for Chemours, and for which we are not currently considering for analysis.

Thanks!
Amy

Chemours PFAS Shorthand	DEQ PFAS Shorthand	Chemical Name	CASN	Chemical Formula	Carbon-chain length
HFPO-DA	PFPrOPrA, "GenX"	2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid)	13252-13-6	C6HF11O3	6
PFMOAA		Perfluoro- 2-methoxyacetic acid	674-13-5	C3HF5O3	3
PMPA		Perfluoro-2-methoxypropanoic acid	13140-29-9	C4HF7O3	4
PFO2HXA		Perfluoro(3,5-dioxahexanoic) acid	39492-88-1	C4HF7O4	4
PFECA-F	PFMOPrA	Perfluoro-3-methoxypropanoic acid	377-73-1	C4HF7O3	4
PFECA-A	PFMOBA	Perfluoro-4-methoxybutanoic acid	863090-89-5	C5HF9O3	5
PFO3OA		Perfluoro(3,5,7-trioxaoctanoic) acid	39492-89-2	C5HF9O5	5
PFO4DA		Perfluoro(3,5,7,9-tetraoxadecanoic) acid	39492-90-5	C6HF11O6	6
PFESA-BP1	Nafion BP #1	Nafion Byproduct 1	66796-30-3; 29311-67-9	C7HF13O5S	7
PFESA-BP2	Nafion BP #2	Nafion Byproduct 2	749836-20-2	C7H2F14O5S	7
PFECA-G		Hexanoic acid, 2,2,3,3,4,4,5,5,6,6-decafluoro-6-(trifluoromethoxy)-; Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethoxy]-	174767-10-3; 801212-59-9	C7HF13O3	7
PFO5DA		Perfluoro(3,5,7,9,11-pentadodecanoic) acid	39492-91-6	C7HF13O7	7
TAFN4		2,2,4,4,6,6,8,8,10,10,12,12,12-tridecafluoro-3,5,7,9,11-pentaoxadodecanoic acid	39492-91-6	C7HF13O7	7
PEPA		Acetamide, 2-[2,6-difluoro-4-[[2-[(phenylsulfonyl)amino]ethyl]thio]phenoxy]-	141286-78-4	C16H16F2N2O4S2	16
4:2 FTS		4:2-fluorotelemersulfonate	757124-72-4	C6H5F9O3S	6
6:2 FTS		6:2-fluorotelemersulfonate	27619-97-2	C8H5F13O3S	8
8:2 FTS		8:2-fluorotelemersulfonate	39108-34-4	C10H5F17O3S	10
10:2 FTS		10:2-fluorotelemersulfonate	120226-60-0	C12H5F21O3S	12
PFOSA		Perfluorooctanesulfonamide	754-91-6	C8H2F17NO2S	8
NMePFOSA		N-methyl-perfluoro- octane-1-sulfonamide	31506-32-8	C9H4F17NO2S	9
NEtPFOSA		N-ethylperfluoro- octane-1-sulfonamide	4151-50-2	C10H6F17NO2S	10
NMeFOSAA		N-methyl perfluoro- octane-sulfon- amidoacetic acid	2355-31-9	C11H6F17NO4S	11
NMePFOSAE		N-methylperfluoro- octane-sulfon- amidoethanol	24448-09-7	C11H8F17MO3S	11
NEtFOSAA		N-ethyl perfluoro- octane-sulfon- amidoacetic acid	2991-50-6	C12H8F17NO4S	12
NEtPFOSAE		N-ethyl-N-perfluoro- octylsulfonylaminoethanol	1691-99-2	C12H10F17NO3S	12
PFBS		Perfluorobutanesulfonic acid	375-73-5	C4HF9O3S	4
PFBA		Perfluorobutanoic acid	375-22-4	C4HF7O2	4

PFPeS	Perfluoropentanesulfonic acid	2706-91-4	C5HF11O3S	5
PFPeA	Perfluoropentanoic acid	2706-90-3	C5HF9O2	5
PFHxS	Perfluorohexanesulfonic acid	355-46-4	C6HF13O3S	6
PFHxA	Perfluorohexanoic acid	307-24-4	C6HF11O2	6
PFHpS	Perfluoroheptanesulfonic acid	375-92-8	C7HF15O3S	7
PFHpA	Perfluoroheptanoic acid	375-85-9	C7HF13O2	7
PFOS	Perfluorooctanesulfonic acid	1763-23-1	C8HF17O3S	8
PFOA	Perfluorooctanoic acid	335-67-1	C8HF15O2	8
PFNS	Perfluorononanesulfonic acid	68259-12-1	C9HF19O3S	9
PFNA	Perfluorononanoic acid	375-95-1	C9HF17O2	9
PFDS	Perfluorodecanesulfonic acid	335-77-3	C10HF21O3S	10
PFDA	Perfluorodecanoic acid	335-76-2	C10HF19O2	10
PFUDA	Perfluoroundecanoic acid	2058-94-8	C11HF21O2	11
PFDoS	Perfluorododecanesulfonic acid	79780-39-5	C12HF25O3S	12
PFDoA	Perfluorododecanoic acid	307-55-1	C12HF23O2	12
PFTeDA	Perfluorotetradecanoic acid	376-06-7	C14HF27O2	14
PFTrDA	Perfluorotridecanoic acid	72629-94-8	C13HF25O2	13
PFHxDA	Perfluorohexadecanoic acid	67905-19-5	C16HF31O2	16
PFOA	Perfluorooctadecanoic acid	16517-11-6	C18HF35O2	18



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